

QUA-RAE

HERE IS NEWS OF THE RADIO ASSOCIATION OF ERIE

VOL. II No. 4

SERVING TRI-STATE AMATEURS FOR 25 YEARS

NOVEMBER, 1970

RAE Activities.....	2
RAE Minutes.....	3
Membership Drive.....	4
Propagation Report.....	5
Strays.....	6
Reflections.....	8
SSB.....	9
ARRL Bulletin.....	9
Tech Talk.....	10
Repeater.....	11
News From Grimsby.....	12
Hamfest Pictures.....	13
Hamfest Big Success.....	14
The Final Final.....	14
Code Class Pictures.....	15

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REGULAR MEETING DATES, November 5 and 19

Jesse Bieberman, W3KT - QSL MANAGER, ARRL VICE DIRECTOR - NOV. 19
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OUR SILVER ANNIVERSARY YEAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
NOVEMBER-1970		DON'T FORGET TO VOTE		RAE	DELAWARE PARTY	ARE QSO PARTY
LOCAL NETS 1	2	3	YL-PHONE PARTY 4	5	6	RSGB 7MHz TEST 7
RSGB 7MHz Phone Test			 HONOR VETS			ARRL SS PHONE
NETS 8	9	10	11	12	13	RAE COUNTY TRIP 14
ARRL SS PHONE				RAE  SPECTACULAR		ARRL SS CW
XMTR HUNT				8:00 W3KT		
NETS  15	16	17	18	19	20	21
ARRL SS CW						CQ-WWDX CW
LEEN-29.150 6m 50.52	22	23	24	25	26	27
CQ-WWDX CW		DECEMBER-1970		RAE		16 SHOPPING DAYS TILL
NETS		 JOIN RAE!	2	3	4	XMAS 5
29	30	1	2	3	4	5

COMING RAE ACTIVITIES

With all the contests and holidays, the month of November promises to be an active one for all hams. The highlight of the month in the Erie area at least, will be the visit of Jesse Bieberman, W3KT to speak at the activities meeting on November 19. The meeting will be held at the Millcreek Municipal Building, 3608 West 26th St., about 1 mile west of Peninsula Drive. W3KT is serving his second term as Vice-Director of the ARRL Atlantic Division and completing his 23rd year as QSL manager for the third call area. He is an avid DX hunter and his country totals of 347 confirmed with 335 on phone, certainly speak for themselves. Acquiring his amateur license in 1920, Jesse taught for 37 years in Philadelphia, served in the Signal Corps during World War II and is the father of two daughters who obtained their licenses (General) at the tender age of 10. The topic of Jesse's talk will be the operation of his QSL Service which handles nearly 300,000 pieces of mail each year. Since many of us use his service, it will be a most informative talk. We will see how the bureau looks from the inside out, and hopefully come away with a greater appreciation for such dedicated amateurs as W3KT. Refreshments will be served, memberships for 1971 will be sold and all those in attendance will be eligible to receive a SECOND-OP DX Computer. All necessary information such as bearings, postal rates, zones and time changes can be found by the twist of a dial. SSSSSOOOOOOO COME ONE COME ALL to the BIG RAE SPECTACULAR, Thursday, Nov. 19.

DON'T LET IT HAPPEN WITHOUT YOU

RAE MINUTES de WA3KAI

October 1, 1970

The meeting was called to order by Vice-president K3VXE at 8:10 PM. The following officers have been selected for the 1970-71 year:

President- - John Squires, K3UPC
Vice-president-Ron Jakubowski, K3VXE
Secretary- - Chuck Manross, WA3KAI
Treasurer- - Joe Mieczkowski, WA3MAU

New officers present were K3VXE and WA3MAU. Directors present were W3SN, WA3HDK, W3KPM and WA3GIV. The minutes of the September 17 meeting were read and approved. The treasurer's report indicated a balance of \$161.00.

CORRESPONDENCE: A letter from Motorola was read advising of the availability of used equipment for sale, and also a newsletter from the North Chautauqua Amateur Radio Club was introduced and passed around for review.

ACTIVITIES: WA3HSR gave the following list of upcoming activities:

October 10 - Annual dinner banquet at Sara Coyne Restaurant.

November 19 - Speech by Jesse Bieberman, W3KT concerning the operation of his QSL service. Meeting to be held at the Millcreek Municipal Building.

December ? - Talk by Jerry Silvaggi, Gannon College professor on acoustics.

Mike indicated that local talent would be approached during the winter months for activities meetings. W3SN indicated that according to Father Shemanda at Gannon College, a tour through the new physics lab could be arranged. W3KPM reported that a listing of state CD films was available and that he would pass one along to K3VXE. K3VXE gave a prospective look at the year ahead and stated that he hoped the split within the RAE could be corrected and also he hoped that revision of the RAE by-laws could be accomplished in the coming year.

COMMITTEES: WA3HSR reported that 213 issues of the QUA-RAE were mailed this month, the increase due to reciprocal mailing with other clubs. WA3HDK, in the absence of WA3JIS, reported on the HAMFEST preparations. Bob reported that all speakers had been lined up. WA3GIV reported that in talking with W3BRB, John promised to turn over the prizes collected previously. WA3GIV also reported that the COM truck was in bad need of two front tires. Fred also checked the TBS-50 on the truck and found it to be in good order. W3KPM reported that the CD/CAP drill held in September was the poorest one yet as far as coordination and liaison concerning message handling and preparation. CAP official Frank Rentja was not present and lack of knowledge by others under his command was partly responsible for such a poor showing. WA3GIV stated that the Red Cross is in the process of obtaining 2 meter FM mobile gear and would be willing to invest in a 2 meter repeater base station as a result of the CD/CAP drill. Red Cross officials would also like to initiate a statewide net on the 75 meter phone band. K3VXE commented on his trip to the Grimsby, Ontario repeater conference and advised that notes on this meeting would be mailed to all repeater committee members. Ron stated that this was the second time out of three meetings that Erie was represented and that the next meeting is to be held in January. K3QAY reported on the September six and ten meter transmitter hunts. Both were hidden at Wintergreen Gorge, with six being found by W3ALD and ten by K3VXE.

There was no old business when called for by K3VXE.

(continued)

RAE MINUTES (cont) October 1, 1970

NEW BUSINESS: WA3HSR suggested having the membership drive start as of October 1. After some discussion, WA3HSR made a motion, seconded by WA3GIV that the club shall have memberships available starting October 1 for the following calendar year. The motion was carried. - - - After comments on the proposed "hobby class license", WA3MKA made the motion that, "The RAE petition the FCC in opposition to this proposal." The motion was seconded by WA3HPG and carried. WA3MKA is to draft this petition and when finalized, submit it on behalf of the RAE.

K3VXE suggested that before the adjournment of business meetings, we have a "Points to Ponder" discussion. In this all those in attendance may make statements or comments of their choosing for discussion.

A bill for \$0.45 was turned in to cover the increased cost of crystals ordered from Sentry Crystal Company.

There were 15 members present at the meeting.

The motion for adjournment was made by W3KPM at 9:45 PM, it was seconded by WA3MKA and carried.

Respectfully submitted,
Bob Bair, WA3HDK for Chuck Manross,
WA3KAI

ANNOUNCING: RAE 1971 MEMBERSHIP DRIVE

As of October 1, 1970, the Radio Association of Erie began offering 1971 memberships. This membership is valid until December 31, 1971 and costs a mere \$1.50. For your contribution, you get 12 BIG issues of the QUA-RAE, official journal of the RAE and most widely read amateur news bulletin in the area; full voting privileges; opportunities to take home door prizes at the monthly activities meetings; and, of course, an invitation to participate in RAE's activities throughout the year. A record membership of 169 was set last year, but we're out to beat it. For a few months, the QUA-RAE will be mailed to all hams in Erie County, but gradually the mailing list will be cut to mainly members only. Where else can you get a subscription for a amateur publication for such a price? Don't forget, you can pay your dues either at the meetings held twice a month, or mail your dues to the RAE, PO Box 844 and we will promptly send you your membership card. (SEE PAGE 5)

Remember, your radio club is only as good as you help make it. The RAE plans many new and interesting activities for 1971 and you can be a part of it for only \$1.50. Wouldn't you like to help us break that record?

BITS OF WISDOM

Once our opinions get us into trouble, our pride tends to keep us there.
Only those who agree with us get credit for having good judgment.

PROPAGATION REPORT Condensed from CQ MAGAZINE

Here are the latest forecasts for the month of November. Keep them in mind when working DX and you should be helped along.

Twenty meters should be excellent for DX during and right after sunrise to almost all areas of the world. This time should also be the best on 40, 80 and 160 meters.

Fifteen should take top honors from shortly after sunrise until late afternoon. Ten is expected to lag behind fifteen but also be at its optimum at this time. Late afternoon and early evening hours should find the best signals on fifteen arriving from the south, west and north. Twenty should peak at this time on signals coming from the east. Also at this time 40 meters should be checked for signals from the east and south.

Strong signals from the south, west and northwest should peak on 20 meters during the late evening and early morning hours. Signals from all directions should be heard on 40 meters at this same time, while some possible openings on 80 and 160 meters may occur during darkness.

All signal levels are expected to be stronger than during the summer months due to the seasonal drop in the static levels and solar absorption.

Prime time for 6 meter F-2 layer openings to the west and south should be between noon and late afternoon. TE (Trans-equatorial) scatter should be at a high level during the month between 8 and 11 PM local time. The Leonids meteor shower is expected to take place between the 14 and 18th. The peak for meteor-type openings should be the evening of the 17th. Taurids meteor shower will peak on November 1 and continue with decreasing intensity for about two weeks.

Get the rigs tuned up and the tubes primed for all that DX, especially during the contest periods this month.

1971 RAE MEMBERSHIP BLANK

Enclosed is \$_____ for _____ membership(s) to the RAE for the year 1971.

NAME _____ CALL _____

ADDRESS _____ CITY _____ STATE _____

ZIP CODE _____ PHONE _____ ARRL MEMBER _____ YES _____ NO

THANK YOU FOR YOUR SUPPORT, HOPE TO SEE YOU AT THE MEETINGS.

WHAT ACTIVITIES WOULD YOU LIKE THE RAE TO SPONSER _____

SEND TO: RADIO ASSOCIATION OF ERIE; PO BOX 844; ERIE, PA. 16512

QUA-RAE NOVEMBER, 1970

STRAYS de QUA-RAE staff

K3GYD Don thinks he is an alarm clock. He calls Tom WØIRK to get him out of bed.

3 "You don't have any audio old man, only feedback." ???????

WA3HPG John likes to use lots of solder. Too bad it gets into the wrong places!

K3VXE Cathy sure knows how to keep tabs on Ron while he is in the mobile.
Hey Ron - What's the difference between Pos and Neg?

WA3JAT Now that Jim has his Mini-beam in the air, he doesn't seem to get out. ,
on the air that is.

OK3CAU Jaro recently sent for information concerning the Erie Pa. Award. How's that
for publicity?

W3QN & W3MED Kennys Lloyd and Milks' XYs got in a year of laughing in 45 minutes
at the RAE HAMFEST.

W3BVM Why were some of the pictures a little blurry that Chuck took on Saturday
October 10? What's the scoop Chuck?

WN3MTS Butch has grown another full beard. Wonder what the xyl's thoughts are on
that subject.

K3HSM Whatever became of Chuck? We haven't seen much of him lately.

WA3COS Dave is looking foreward to operating in the ARRL sweepstakes from W3NKI
at Carnegie Mellon University in Pittsburgh. They took SEC last year.

WA3GUL Rick is in Erie from Bethlehem studying (?) at Behrend. Look on page 76
of May, 1970 QST and you'll see him operating WX3MAS. Rick looks foreward
to doing it again this year.

W3UCZ Fred Byrd is now running a homebrew lashup on 2 meter FM. Welcome to the
FM ranks Fred.

K3QAY That's quite a wig you have there Brownie! Wonder what the XYL does when
you're wearing it? You and Butch should get together.

WA3GSH Is Barry actually over 50 years old? He doesn't look a day over 35!

W3NGI Hats off to Frank for the FB job in giving code tests for Novices. He and
Bart, W3SN are busy keeping the Novice bands filled.

K3AFO & W3BRB Congrats on working JY1. Wonder if they plan on visiting the king
and helping him straighten out his problems.

W3KT Jesse informs us that he has 347 countries confirmed and 335 on phone.
Now we know what he does in his spare time.

STRAYS (cont)

- K3UPC John will soon be back in Erie after a nice vacation in Waynesboro, Va. Welcome back Mr. President!
- W3ALD Now Myron doesn't have to worry about finding that hidden transmitter, he can always find his way home with his new compass.
- WA3NGC Frank should be working some DX on 10 as soon as he gets his converter in operation.
- K3VLP George is recovering from surgery by taking a desk job. He waits till he gets home before he goes to work on his well.
- W3ZLO Chuck has been working hard on the 2 meter repeater. Thanks for the help Chuck!
- W8UMS Howard, ex-K3NVT, renewed many acquaintances at the RAE HAMFEST and became one of the first 1971 members.
- WA3HDK Bob, after listening to some DX on 10 has gotten the General bug. You better try a CW bug too, Bob.
- K3PLV Craig feels that he'd like to sit out this years county expedition. Maybe Murphy will stay with him rather than take the trip too.
- W3ARO Don, ex-K6ZFM, enjoys the Erie weather after migrating from Los Angeles. Look for him on the Sunday night nets.
- WA3KFX Doug completed his first run as NCS on LEEN with flying colors. Look for W3BRB in the slot next month.
- WA5ICH Bob hunts 10 almost daily. He enjoys working Erie area stations since he was originally from here. He adds that he likes San Antonio WX better!
- WA3HSR Mike logged ten new countries during the CQ WW DX contest. Mike says he'll have DXCC by Spring. (Which spring???)
- W3KPM Hey Tom. How does it feel having a plane dive at your house?
- WA3GMV McDowell HS Radio Club is on the look-out for a five band SSB transceiver. With their great antenna, they should work most anywhere.
- WA3FFD Some have their doubts if Jim's 2 meter rig will fit into his car. If it does, there won't be much room for Jim.
- W3AQY Mac did an outstanding job speaking at the HAMFEST in behalf of the oldtimers in the area.
- W3HLM Don and his loop were successful at the October transmitter hunt on 10 meters. K3QAY was the leader on 6 meters.

REFLECTIONS de K3VLP and W3KPM and W3SN

Once a wife saw her husband trying to sew on a button and told him that the thimble was on the wrong finger. "I know," he answered, "it should be on yours." Many times we find ourselves being very critical of the way someone else is doing a particular job. He doesn't do it like we would, if the task was ours to do, so we begin to point the finger of criticism in his direction. Perhaps the answer to the problem would be found if we would each do our fair share of the work and take some of the burden from our fellow ham's shoulders. The work of the radio club is never going to be real easy, but it could be more effectively carried out if the work were distributed evenly among ALL members. Why not? Let's each put a thimble on our own finger and sew on the buttons together.

The controversy between "cycles-per-second" and the hertz rages on. Here are some excerpts of a letter written by a dissatisfied engineer with a sense of humor.

None of us will ever be able to change back to cycles-per-second, but it is interesting to observe the sweeping effect of the ever changing hertz. Heinrich R. Hertz was to be honored for his discovery of electro magnetic radiation through space. Thus, the electromagnetic effect of "cycles-per-second" radio waves- was to become Hertz. The confusion seems to stem from the fact that Hertz was applied to the words "cycles-per-second" and not just the physical effect of radio propagation. The Hertz was forced upon all peoples of the earth. The housewife had to have her house modified for Hertz so that the kitchen clock would work (power from 60 cps to 60 Hz). The schoolgirl had to have her piano retuned because A above middle C (440 cps) was now 440 hertz.

The ladies took to the conversation easily enough, because of the handy auto rental agency which bore a similar name. However, even they would be confused if they were to rent motorcycles, and were to do this once each second because they would have to honor Heinrich with "motorhertz" (motorcycle per second). Consider the games children could play when they counted passing bicycles or tricycles at the rate of one per second. These games of course, would be called "Bihertz" and "Trihertz".

REMEMBER - "Sticks and stones may break my bones, but Avis will never hertz me."

The following are excerpts from the ERIE DISPATCH. A cloumn written by Frank Ames, then W8WBM, during the spring and summer, 1941 titled "With Erie Radio Amateurs".

"If your nice iron pipe fence disappears some night, I can give you a tip. Doc Cook, W8VHP, is having pipe fitters dreams and may use your fence for antenna radiators. Maybe he is in need of supports or something. Give him a break, fellas, and tell him where you saw the article on making a pipe antenna."

"Word has been received that W8SLC, Walt Jordan, is to start another night school class at Tech High this coming fall and will welcome all those who are interested to attend."

30 years ago - -

"58 Erie radio amateurs submitted proof of their American citizenship to the Federal Communications Commission and were given permission to keep their sets in service." adds Mac W3AQY, "The government bought any commercial gear the hams had, and paid top dollar for it too."

Post war hams seemed to miss something along the way, and can always be enlightened by tales from hamming before and during the war.

SSB (SALE, SWAP OR BUY)

K3PLV, Craig Hill has for sale 30 feet of tower sections. All aluminum and sturdy.
Call after 3:00 at 866-1305.

W3NGI, Frank Grace has for sale a Knight T-60 transmitter. Ideal for novices and runs
80-6 meters so is good for General, too. Call at 866-3035.

MORE BENEFITS FOR RAE MEMBERS

As of November 1, 1970, all RAE members will be able to buy special CALL LETTER
license plates for the front of your car, or to hang in the shack. The printing on
these plastic plates can be WHATEVER YOU CHOOSE. No club name or other matter
need be pre-printed on the plate. These are now available for the LOW COST of \$1.15
each. Nowhere else in the area can hams get such a bargain, and what they want on
the card, too. Beautify your shack, or advertise your call whenever you travel - -
Buy one of these plates now and SAVE!

Don't forget, when it's time to renew that ARRL membership, do it through the RAE.
When you do this, the club gets 50¢ of the fee. This is a good way to support amateur
radio on the national level, and help out your local club at the same time.

Remember the 25% discount being offered on all FM, overtone or harmonic crystals
ordered through the RAE and Sentry Crystals. This savings is being offered to the
hams of Erie as another service of the RAE, serving hams continuously for 25 years.

ARRL BULLETINS

OFFICIAL BULLETIN NR 294 FROM ARRL HEADQUARTERS NEWINGTON CONN OCTOBER 22 1970 TO
ALL RADIO AMATEURS BT

The world's first 2300 MHz moonbounce contact was accomplished on October 19 between
W3GKP and W4HHK on a frequency of 2304 MHz. This represents the highest frequency
band, to date, on which amateurs have successfully employed earth-moon-earth communication.
This contact comes after a period of extended experimentation between the two stations.
Background on the preparation for this contact appear in July 1969 QST, page 54. A
future issue will carry details of this record breaking contact. AR

SEE YOU ALL NOVEMBER 19!

MORE SSB (SALE, SWAP OR BUY)

\$100
/

WA3MKT, Rick Cutter has for sale a 2KW PEP 80-10 M homebrew linear; a SB34 SSB transceiver
(80-15 M), \$200; Heathkit HW32 SSB transceiver (20 M). Please call 454-6012 after
5 p.m.

(The final article on repeater operation will be held until the Erie repeater is operational--Ed.)

To the novice, one of the most frustrating experiences is to operate for hours on end and not be able to make a single contact. Some blame crystal control, low power, or a faulty transmitter for the problem. However, many fail to look at the most obvious problem, and the one the novice usually knows the least about: the antenna. The new operator soon discovers that his SWL antenna just does not work well transmitting on the ham bands. And most new operators cannot afford to buy beams and other pre-constructed antennas. So let's see what antennas a novice could consider. In this article we'll look at dipoles and simple verticals. In a subsequent article I'll consider long-wires and other antennas requiring impedance matching devices.

The most popular antenna is the 40 meter dipole. It requires only 66 feet of length, and will also work well on 15 meters. The dipole should be fed with 75 ohm coax cable (RG-59) for best results, but 52 ohm coax (RG-58) can also be used. The feedline should come out at right angles from the antenna for at least 30 feet, and the center height should be no less than 15 feet from the ground. If any of these two conditions cannot be met, it might be better to consider an inverted V. All that is needed is a center support, and room to stretch the ends down at about a 30 or 40 degree angle towards the ground. The ends can be tied to any convenient support using an insulator. 52 ohm coax is preferred for the feed, since the input impedance is lower than for a regular dipole.

Many novice's shacks are not located in a place that makes it convenient to bring the coax down at right angles to it. Some QTH's don't even have room for a dipole or inverted V. The next antenna that should be considered then is the vertical. A vertical that will work well on 40, 20, 15, and 10, just fed with 52 ohm coax, is a 23 foot mast. Any type of pipe will work; TV mast sections, water pipe, or conduit; but the lighter it is, the easier it is to support. The easiest method of support is a wooden stake pounded into the ground. The mast can then be clamped to it with U-bolts, with tape wrapped where the U-bolts will contact the mast for better insulation.

The best place to mount the vertical is ON THE GROUND. The angle of radiation of a vertical is not dependant on height as is the dipole's, and in most cases mounting a low-frequency vertical above ground (rooftop, etc.) results in nothing but added problems. The vertical should be located in a reasonably open area, but don't let nearby objects worry you too much. The vertical's worst enemy is aluminum siding. The most important thing needed for a vertical antenna is a good ground system. Start by pounding a ground stake next to the antenna. 4 to 6 feet or more is a good depth. Next, at least two 30 ft. lengths of wire should be extended from this ground stake opposite each other and buried beneath the surface of the ground. These wires are called radials, and the more of them you have, the better your vertical will work. The depth beneath the surface is not important. Any type of wire can be used. The main reason for burying the radials is to keep them from being tripped over and cut up by the lawn mower.

This vertical then can be fed with 52 ohm coax and have an SWR of less than 3 : 1 on the mentioned bands. If the coax is buried, RG-8 should be used

Continued on page 11

TECH TALK, cont.

because RG-59 decomposes too fast underground. For 80 meter operation, a loading coil can be placed in series with the mast with good results. A coil with an alligator-clip tap can be used to locate the minimum SWR.

Have fun trying these antennas, and don't hesitate to call someone with more experience if you have problems. I'll write about some different antennas in a later issue.

DE K3VXE, Ron

IF YOU MOVE OR CHANGE YOUR ADDRESS, PLEASE NOTIFY THE QUA-RAE
AS SOON AS POSSIBLE. THE QUA-RAE CANNOT BE FORWARDED TO YOUR
NEW ADDRESS. THE QUA-RAE STAFF CANNOT BE RESPONSIBLE FOR ISSUES
MISSED DUE TO YOUR FAILURE TO NOTIFY US OF AN ADDRESS CHANGE.

REPEATER FM REPEATER FM REPEATER FM REPEAT...

To date, the Erie repeater is still under construction with the GE-TPL receiver still torn apart on WA3GIV's (Fred Tate) bench. Fred, when queried about when it would be finished was heard mumbling something about there being 48 hours in a day.

Some new voices heard on 2-FM lately include WA3HPG, John, and W3UCZ, Fred. John's QTH is Fairview, and since he put up the vertical beam, he's had an FQ signal (full quieting) in many parts of town. Fred lives up near Gospel Hill on Station Road and is reactance-tube modulating a VFO with about 50 watts into a horizontal beam. He can be copied FQ on a quarter wave mobile whip at least as far west as Peninsula Drive.

Barry, WA3GSH, has been the only other active mobile around town besides Ron, K3VXE. His one watt does a very good job. Ron recently worked through VE3KSR, the Kitchner repeater, one morning when the band was really open. Ron reported that there was no flutter noticeable on KSR's FQ signal anywhere in town, and other stations in Toronto, Sarnia, London, Chatam, and Stratford reported that Ron's signal was FQ through the repeater. Bill, K3WOL, is operating a station from Rola, at 15th and French where he works. It just went on the air as of mailing, and it will be interesting to see his coverage.

Joe, WA3MAU, reported that he has found a Motorola distributor in Meadville who can supply local hams with connectors and other accessories and parts for the 41-V's. See Joe for more information.

General Telephone has donated 2 FM rigs to the Red Cross. Fire Chief Hamburger has consented to help put up the 2-meter antenna on the chimney of the Red Cross building with the snorkel truck. A 40 and two 75-meter inverted Vee's will be put up at the same time.

AR

The Tri-annual meeting of the Eastern New York and Southern Ontario Repeater Advisory Council took place September 26, 1970, at the Casablanca Motel, near Grimsby, Ontario. Representing Erie was Ron, K3VXE. Following an eye-ball session, dinner was served. Following the dinner, each group present gave its report.

VE3KSR, Kitchener, reported that they had switched antennas to cause less interference with Buffalo and Erie. The repeater now search-locks 34-37, with output on 94-97 respectively. As of Nov. 1, 34-94 will be shut down indefinitely to force the locals to get 37-97 crystals.

K2LDT, Buffalo, reported that 31-91 is now in use with ID on 94, and search-lock on 34. 34 will be shut down sometime in December to force the buying of crystals for 31-91.

VE3RPT, Toronto, is on 46-06, with ID on 94. They are presently planning to increase power.

VE3DRW, Hamilton, is presently on 34-76 with low power. Although they are very low power in a poor location, there was some discussion about them interfering with the direct 76-76 rag-chew channel. They will probably be looking for different frequencies shortly.

Ron then reported on the Erie repeater. It was suggested by the council that Erie discourage the use of 34 as much as possible once the repeater is on the air so the purchase of crystals would not become an obstacle to the use of 19-79, Erie's assigned channel.

K2TXB, Chatauqua County, reported that their repeater would be off the air for some time due to storm damage to the antenna. They are also now in the process of moving their repeater site.

Rochester reported that there would be two repeaters in operation there because of the many opposing factions of hams. They were asked that if at all possible they get together, because the size of Rochester does not justify two repeaters.

A motion was passed to suggest that deviation on repeaters be limited to 12 KHz, to be more compatible with narrow-band equipment.

The next meeting was set for January 23 at the same location.

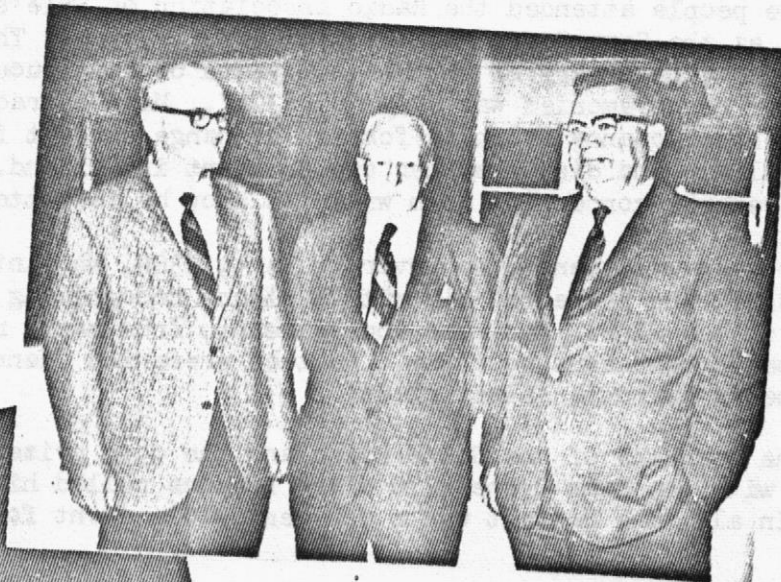
AR

\$ COMMERCIAL QUALITY CRYSTALS CAN BE PURCHASED AT
APPROXIMATELY 25% DISCOUNT THROUGH THE RAE. DELIVERY IS A WEEK TO 10
DAYS. FOR MORE INFO SEE WA3MAU, K3VXE, OR K3VLP. \$

We regret that we have no HAM PERSONALITY OF THE MONTH in this issue, but this popular feature will resume next month by honoring Mr. Jim Currie, W3PJD.

25 Years of

Bart, W3SN
Kenny, W3QN
Mac, W3AQY



Brownie, K3QAY



Service



▲ Louanne Mabon, Guest Speaker

Hamfest 70

HAMFEST BIG SUCCESS

Seventy-five people attended the Radio Association of Erie's annual Hamfest, October 10, at the Sara Coyne "Beachcomber" supper club. Theme of the event was the silver anniversary of the RAE, 25 years of continuous service to the area. Master of ceremonies was Brownie, K3QAY. Main attraction of the evening was Miss Louanne Mabon, a foreign exchange student from Wattsburg, who showed slides and discussed her summer spent in Holland. The slides and her candid remarks concerning them will not soon be forgotten by those in attendance.

The program was then turned over to Bart, W3SN, who introduced Howard MacIvor, W3AQY, and presented him with a plaque recognizing his over 25 years of service to the club. Mac read some excerpts from early radio magazines and drew some comparisons to today. He then presented Kenny Lloyd, W3QN, the Old-Timer's award, a silver plate.

Last was the awarding of the Grand Prize and the door prizes. Ron, K3VXE, walked off with the Swan Cygnet-270 after Louanne pulled his number from the box. In all, the Hamfest was a very enjoyable event for all who attended.

THE FINAL FINAL

Wayne Green, W2NSD, has done it again. In the interests of clearing the 11 Meter citizens band of the lids and illegal operators, he has volunteered the 220-225 MHz. amateur band to the F.C.C. for their use. In his formal petition to the FCC, he proposed that the section of the band from 220.5 - 224.5 be used for a "Hobby" band. He proposed that there be no code or theory test, but only a test for knowledge of the rules and regulations. He asked for a 100 watt power limit and mode of narrow band FM.

Green alleged that the 220 MHz. band is little used by amateurs, and any amateurs who wanted to use it could use the two 500kHz. edges. He also said that this band would allow the manufacturers to build inexpensive equipment for FM, and eventually develop repeaters for use on this band. He states that the 100 watt ground wave will allow communications over greater distances than the 11 meter band now allows.

The RAE voted to draw up a petition opposed to this proposal. The grounds for opposition are as follows: 1) More amateurs than ever are looking towards the VHF and UHF frequencies because of overcrowding on the lower frequencies. It will be only a matter of time until 220 is used as much as 144 is being used now. 2) The 100 watt power limit is unrealistic for a class of license that no theoretical knowledge is required. The tubes required for that power at those frequencies are in the first place, expensive, and in the second place dangerous to tune up without experience. At that power, tune-up would be critical, as the output tubes would have to be running class C instead of class A that most CB equipment is run. 3) If any repeater development came on that band, it would have to come from the manufacturers of equipment, since much more technical competence than meets the eye would be needed for successful repeater operation. Repeater operation may as well be forgotten if the band becomes as crowded and unlawful as the present CB band. 4) Finally, the cost of the equipment would be prohibitive for any type of performance on this band, unless the receivers were made to suffer. And it would seem preposterous in this day to be barely heard across town with 100 watts into a beam!

FOOD FOR THOUGHT

In a city the size of Erie, there is certainly enough room for two amateur radio clubs. Clubs and organizations that will hold meetings, sponsor activities and outings, but in general exist to benefit and unify the ham fraternity. Organizations also appreciate some competition in activities as it gives local hams a wide choice and good selection. We feel that the will help the organizations to succeed.



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Recently, the Radio Association of Erie has felt the spirit of competition. We welcomed this challenge and expressed our hope that this would help the amateurs in the community. Unfortunately, some former associates of the RAE, also in the spirit of competition applied some of their efforts in, what we feel, was the wrong direction.

As early as January, 1970, the RAE was planning for its HAMFEST-70, celebrating our 25th anniversary. It was decided that a SWAN Cygnet 270 be purchased at a special price and be given away as the main door prize. This was done, and tickets were being sold. Even after the former associates formed their organization, plans proceeded. A new committee decided on a new place only after it was found that a former committee member took it upon himself to cancel the previous reservations. The blow came just one week before the event when the RAE, in collecting its door prizes from the former committee members, was politely told that the SWAN Cygnet 270 which they had purchased, had sold tickets on and had widely advertised would not be available for a prize. It seemed that one of the former committee members had been given permission to purchase the SWAN 270 AWAY from the RAE by the seller. Fortunately, the situation was rectified within the week and everything went as scheduled.

When the former associates of the RAE broke away from the club, they took with them an addressograph machine which was donated to the club. This donation, when it became final, was read into the minutes as a donation to the RAE, and these minutes were approved by all parties involved. However, these former associates maintain that the machine was donated to them personally rather than to the RAE.

The most recent burst of energy in a questionable direction involved Jesse Bieberman, W3KT, scheduled speaker at the November 19 activities meeting. Some of these former associates felt it their duty to call Jesse and try to schedule him to speak at their meeting on November 18, the day before he was originally scheduled. As a result of this last bit of mis-directed energy, the RAE decided that it was time to inform its readers of some of the goings-on in recent months.

The material presented above is presented to you, the reader, as "Food for Thought". Fortunately, the last and most serious of the doings was also resolved and the meeting will go on as scheduled. We leave it to you to decide which direction is right or wrong.